

**SPECIFICATIONS**

DISPLAY: Green color multi-digits flourescent tube.

COLUMNS: Lists 8 Digits.

REGISTERS: 1 Memory Register, 1 Read Out Register and 3 Working Registers.

DECIMAL POINT: Floating.

LOGIC ELEMENT: M. O. S., L. S. I. (1 chip).

POWER SUPPLY: D.C. 4 pieces 1.5V AM-3 or UM-3 pen-light batteries.  
A.C. Adaptor (optional).

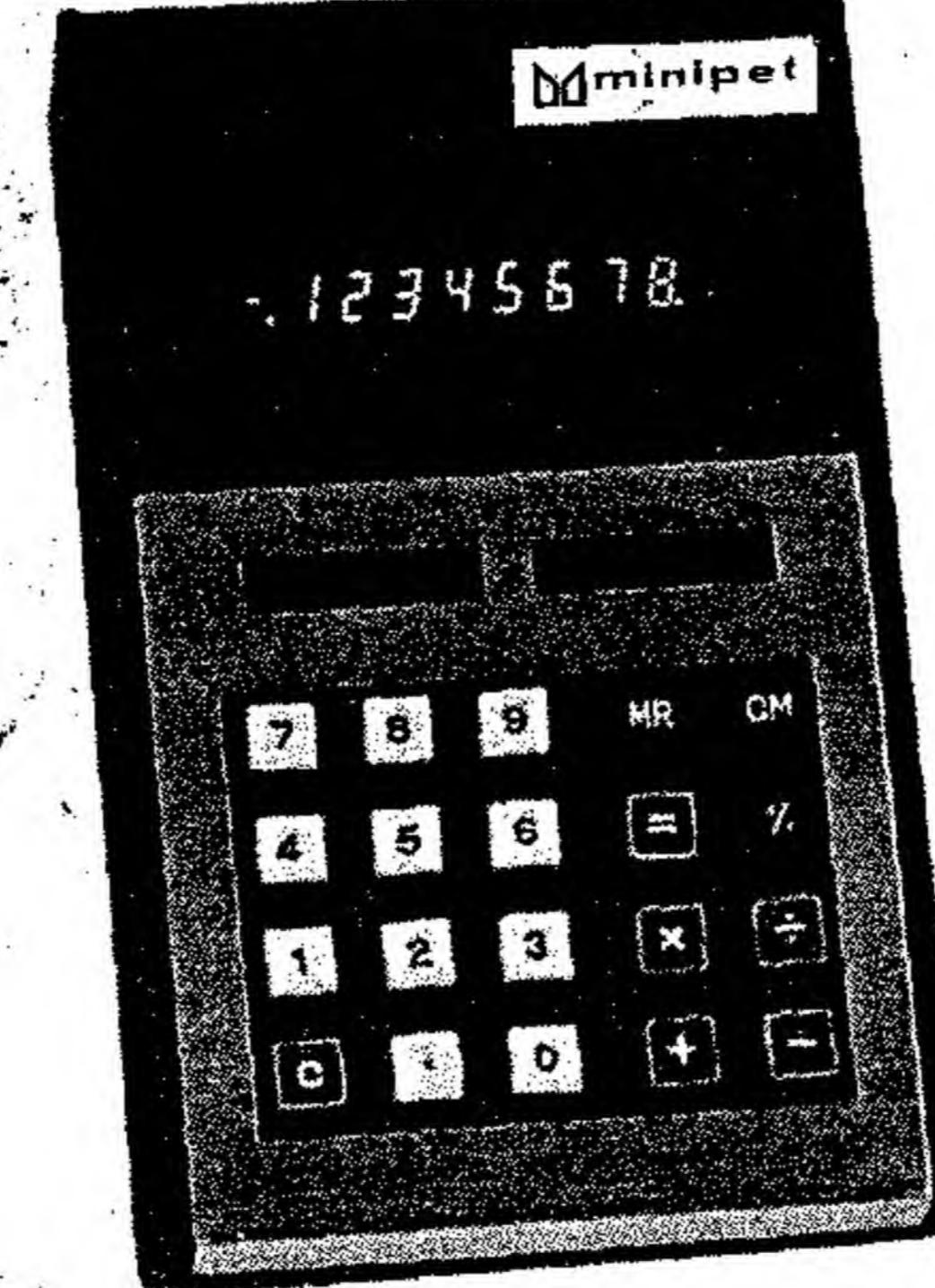
OPERATION TEMPERATURE: 0° C to 40° C.

DIMENSIONS: 13.5 cm. X 8.5 cm. X 2.9 cm.

POWER CONSUMPTION: 0.5W.

WEIGHT: 8 oz. (with batteries)

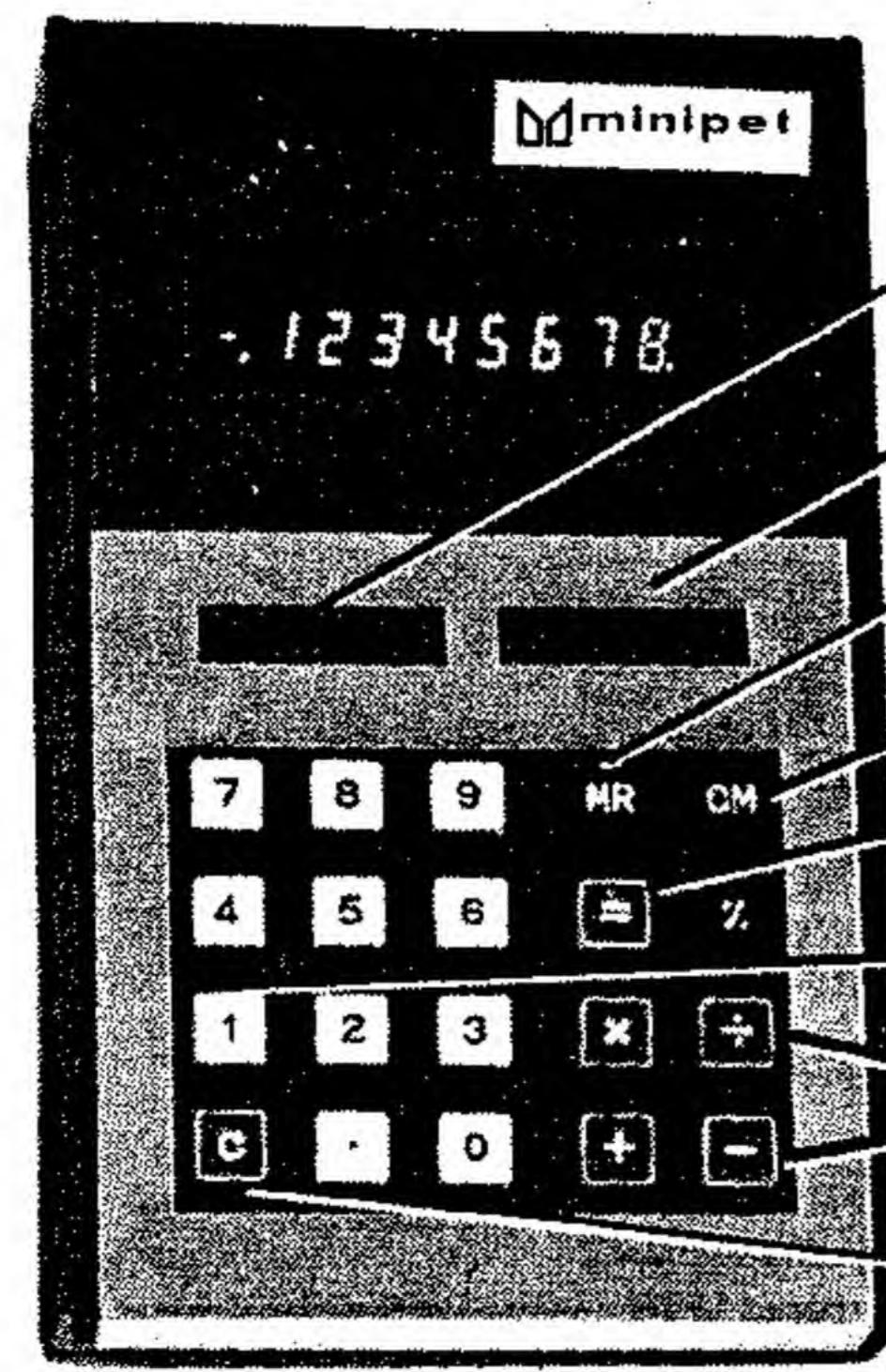
142.15469 X 5 =



**minipet**

**Model 82M-D**

**Instruction Booklet**



- On and Off Switch
- Accumulation Switch
- Memory Recall Key
- Clear Memory Key
- Equal Key or Memory Entry Key
- Numeral Keys
- Command Keys
- Clear & Clear Entry Key

## KEY FUNCTIONS

- [+]** **ADDITION KEY:** To be depressed for addition.
- [C]** **CLEAR KEY:** Single depression for clearing entries.  
Double depression for clearing all (except memory).
- [CM]** **CLEAR MEMORY KEY:** For clearing the contents in the memory.
- [÷]** **DIVISION KEY:** To be depressed for division.
- [=]** **EQUAL KEY:** For obtaining the results of a multiplication or division.
- [X]** **MULTIPLICATION KEY:** To be depressed for multiplication.
- [%]** **PERCENTAGE KEY:** For percentage calculation.
- [RM]** **RECALL MEMORY KEY:** For recalling the contents in the memory.
- [−]** **SUBTRACTION KEY:** To be depressed for subtraction.
- ACC  N** **ACC – ACCUMULATION:** Switch to ACC position for memory.  
**N – NORMAL:** Without memory.

#### INTRODUCTION OF FORDS 82MD

- Eight digits
- Four operations
- Constant calculations
- Chain calculations
- Automatic power clear
- Full floating point (automatic underflow)
- Automatic percentage operations
- Accumulating memory register
- Memory accumulation switch
- Leading zero suppression

#### ACCUMULATION SWITCH

The accumulation switch has two positions, "N" and "ACC".

The "ACC" position activates automatic memory accumulation upon depression of an [=] or [%] key.

#### MEMORY IN USE INDICATION

When the memory register is non-zero, the decimal point will be displayed in the sign position (9th digit).

#### OVERFLOW CONDITIONS (SIGN C)

Any operation resulting in more than eight significant digits to the left of the decimal point will cause an overflow condition. Indication of overflow is a special symbol in the sign position. The display will indicate the eight most significant digits of the operation.

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#### ADDITION & SUBTRACTION

$$12.3 + 23.4 - 34.5 = 1.2$$

OPERATION	DISPLAY
C	12.3
+	12.3
23.4	23.4
+	35.7
34.5	34.5
-	1.2

#### REPEATED ADDITION OR SUBTRACTION

$$3 + 3 - 5 - 5 = -4$$

OPERATION	DISPLAY
C	3
+	3
+	6
5	5
-	1
-	-4

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**MULTIPLICATION & DIVISION**

OPERATION	DISPLAY
12	12
<input type="button" value="X"/>	12
45	45
<input type="button" value="X"/>	540
3	3
<input type="button" value="÷"/>	1620
124	124
<input type="button" value="="/>	13.064516

**DIVISION BY CONSTANT**

$1200 \div 24 = 50$   
 $196 \div 24 = 8.1666666$   
 $324 \div 24 = 13.5$

OPERATION	DISPLAY
1200	1200
<input type="button" value="÷"/>	1200
24	24
<input type="button" value="="/>	50
196	196
<input type="button" value="="/>	8.1666666
324	324
<input type="button" value="="/>	13.5

**MULTIPLICATION BY CONSTANT**

OPERATION	DISPLAY
123	123
<input type="button" value="X"/>	123
12	12
<input type="button" value="="/>	1476
23	23
<input type="button" value="="/>	2829
9	9
<input type="button" value="="/>	1107

PERCENTAGE CALCULATION

120 Mark up 30%  
Answer 156

OPERATION

120

120  
30  
 %  
 +

120

30

36

156

MIXED CALCULATION

$$\frac{(12 + 5 - 6)^2}{8}$$
OPERATION

12

+  
5  
 +  
6  
 -  
11  
 X  
 ÷  
8  
 =

12

5

17

6

11

11

121

8

8

15.125

150 Less 25% Discount  
Answer 112.5

OPERATION

150

150  
25  
 %  
 -

150

25

37.5

112.5

**ACCUMULATION WITH CONSTANT**

Set Switch to ACC position

$$\begin{aligned}
 5.05 \times 200 &= 1010 \\
 5.05 \times 127.5 &= 643.875 \\
 5.05 \times 85.25 &= 430.5125
 \end{aligned}$$

Total: 2084.3875

	OPERATION	DISPLAY
	[C] [CM] ACC ←	5.05
	[X]	5.05
	200	200
	[=]	1010
	127.5	127.5
	[=]	643.875
	85.25	85.25
	[=]	430.5125
	MR	2084.3875

**ACCUMULATION**

$$\begin{aligned}
 125 \times 6 &= 750 \\
 45 \times 23 &= 1035 \\
 -56 \times 40 &= -2240 \\
 &\quad \underline{-455}
 \end{aligned}$$

	OPERATION	DISPLAY
	[C] [CM] ACC ←	125
	[X]	125
	6	6
	[=]	750
	45	45
	[X]	45
	23	23
	[=]	1035
	56	56
	[=]	-56
	X	-56
	40	40
	[=]	-2240
	MR	-455